

GenCore version 5.1.3
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OW protein - protein search, using sw model

Run on: October 27, 2002, 06:18:51 ; Search time 16 Seconds
(without alignments)
566.368 Million cell updates/sec

Title: US-09-376-430-2

Sequence: 1 MGRVLVLMGAAVFLGGMNA.....DVTIGGFTVMDRSYVAL 371

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 231628 seqs, 24425594 residues

Word size : 7

Total number of hits satisfying chosen parameters: 45

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

Issued Patents AA: *
1: /cgn2_6/ptodata/1/aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/1/aa/5C.COMB.pep.*
4: /cgn2_6/ptodata/1/aa/5D.COMB.pep.*
5: /cgn2_6/ptodata/1/aa/5E.COMB.pep.*
6: /cgn2_6/ptodata/1/aa/5F.COMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	8	2.2	32	US-09-522-666-9	Sequence 9, Appl1
2	8	2.2	500	US-08-314-601-2	Sequence 2, Appl1
3	8	2.2	500	PCT-US95-13051-2	Sequence 2, Appl1
4	7	1.9	23	US-08-931-858E-219	Sequence 219, App
5	7	1.9	40	US-08-194-981E-14	Sequence 14, Appl
6	7	1.9	40	US-08-194-981E-15	Sequence 15, Appl
7	7	1.9	41	US-08-194-981E-17	Sequence 17, Appl
8	7	1.9	41	US-08-931-858E-218	Sequence 218, App
9	7	1.9	88	US-07-885-089B-13	Sequence 13, Appl
10	7	1.9	91	US-07-847-743B-15	Sequence 15, Appl
11	7	1.9	91	US-08-456-201-15	Sequence 15, Appl
12	7	1.9	91	US-08-330-161-13	Sequence 13, Appl
13	7	1.9	91	US-08-456-241-15	Sequence 15, Appl
14	7	1.9	91	US-08-440-401-13	Sequence 13, Appl
15	7	1.9	91	US-08-419-878B-13	Sequence 13, Appl
16	7	1.9	91	PCT-US92-04295A-15	Sequence 15, App
17	7	1.9	156	US-08-931-858E-217	Sequence 217, App
18	7	1.9	393	US-08-961-083-58	Sequence 58, Appl
19	7	1.9	410	US-09-258-754-452	Sequence 452, App
20	7	1.9	490	US-08-201-118-3	Sequence 3, Appl1
21	7	1.9	490	US-08-201-118-9	Sequence 9, Appl1
22	7	1.9	490	US-08-201-118-13	Sequence 13, Appl1
23	7	1.9	490	US-08-238-821B-3	Sequence 3, Appl1
24	7	1.9	490	US-08-238-821B-9	Sequence 9, Appl1
25	7	1.9	490	US-08-238-821B-13	Sequence 13, Appl1
26	7	1.9	490	PCT-US95-05744-3	Sequence 3, Appl1
27	7	1.9	490	PCT-US95-05744-9	Sequence 9, Appl1

28	7	1.9	490	5	PCT-US95-05744-13	Sequence 13, Appl
29	7	1.9	494	1	US-07-906-930E-33	Sequence 33, Appl
30	7	1.9	540	2	US-07-906-930E-2	Sequence 2, Appl1
31	7	1.9	589	2	US-08-317-305-2	Sequence 2, Appl1
32	7	1.9	589	2	US-08-317-305-4	Sequence 4, Appl1
33	7	1.9	589	2	US-08-862-508-2	Sequence 2, Appl1
34	7	1.9	589	3	US-08-862-508-4	Sequence 4, Appl1
35	7	1.9	589	5	PCT-US95-12508-2	Sequence 2, Appl1
36	7	1.9	589	5	PCT-US95-12508-4	Sequence 4, Appl1
37	7	1.9	771	2	US-08-742-753-2	Sequence 2, Appl1
38	7	1.9	1285	2	US-08-540-406-6	Sequence 6, Appl1
39	7	1.9	1285	3	US-08-656-055-6	Sequence 6, Appl1
40	7	1.9	1285	4	US-08-954-668-6	Sequence 6, Appl1
41	7	1.9	1285	5	PCT-US95-13233-6	Sequence 6, Appl1
42	7	1.9	1286	4	US-09-268-140-3	Sequence 3, Appl1
43	7	1.9	1299	4	US-08-460-900C-62	Sequence 62, Appl
44	7	1.9	1299	4	US-08-674-509B-48	Sequence 48, Appl
45	7	1.9	1299	4	US-08-954-698-48	Sequence 48, Appl

ALIGNMENTS

```
RESULT 1
US-09-522-666-9
; Sequence 9, Application US/09522666
; Patent No. 633167
; GENERAL INFORMATION:
; APPLICANT: Shuey, David
; APPLICANT: Quinell, Elaine
; TITLE OF INVENTION: Methods and Reagents for Identifying Inhibitors of
; TITLE OF INVENTION: Proteolysis of Membrane-Associated Proteins
; FILE REFERENCE: 6-00
; CURRENT APPLICATION NUMBER: US/09/522,666
; CURRENT FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:sequence
; OTHER INFORMATION: encoding P450 transmembrane/signal sequence.
US-09-522-666-9

Query Match      2.2%  Score 8;  DB 4;  Length 32;
Best Local Similarity 100.0%;  Pred. No. 0.67;
Matches 8;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

QY      246 LLLSLWK 253
DB      14 LLLSLWK 21

RESULT 2
US-08-314-601-2
; Sequence 2, Application US/08314601
; Patent No. 5834293
; GENERAL INFORMATION:
; APPLICANT: Capdevilla, Jorge H.
; APPLICANT: Makita, Keiko
; TITLE OF INVENTION: CYTOCHROME P450 ARACHIDONIC ACID
; TITLE OF INVENTION: EPOXYGENASE GENETIC MUTATION ASSOCIATED WITH HYPERTENSION
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C. 1200
; STREET: 127 Peachtree Street, Suite 1200
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/314,601
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Perryman, David G.
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 2200.024
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-0770
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 500 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-314-601-2

Query Match 2.2%; Score 8; DB 2; Length 500;
Best Local Similarity 100.0%; Pred. No. 8.1;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 245 SLLLSLW 252
|||||
Db 13 SLLLSLW 20

RESULT 3
PCT-US95-13051-2
Sequence 2, Application PC/TUS9513051
GENERAL INFORMATION:
APPLICANT: VANDERBILT UNIVERSITY
TITLE OF INVENTION: CYTOCHROME P450 ARACHIDONIC ACID
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: 127 Peachtree Street, Suite 1200
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13051
FILING DATE: 27-SEP-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/314,601
FILING DATE: 9/28/94
ATTORNEY/AGENT INFORMATION:
NAME: Perryman, David G.
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 2200.024
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-0770
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 500 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein
PCT-US95-13051-2

Query Match 2.2%; Score 8; DB 5; Length 500;
Best Local Similarity 100.0%; Pred. No. 8.1;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 245 SLLLSLW 252
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Db 13 SLLLSLW 20

RESULT 4
US-08-931-858E-219
Sequence 219, Application US/08931858E
Patent No. 6222022
GENERAL INFORMATION:
APPLICANT: JOHNSON, EUGENE M
APPLICANT: MILBRANDT, JEFFREY D
APPLICANT: KOTZBAUER, PAUL T
APPLICANT: LAMPE, PATRICIA A
APPLICANT: KLEIN, ROBERT
APPLICANT: DESAUVAGE, FRED
TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR
NUMBER OF SEQUENCES: 239
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWELL & HAFERKAMP, L.C.
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MO
COUNTRY: USA
ZIP: 63105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/931,858E
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 971486
TELECOMMUNICATION INFORMATION:
TELEPHONE: 314-727-5188
TELEFAX: 314-727-6092
INFORMATION FOR SEQ ID NO: 219:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-931-858E-219

Query Match 1.9%; Score 7; DB 4; Length 23;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 245 SLLLSLW 251
|||||
Db 10 SLLLSLW 16

RESULT 5
US-08-194-981E-14
Sequence 14, Application US/08194981E
Patent No. 5886157
GENERAL INFORMATION:
APPLICANT: GUENGERICH, F. Peter
APPLICANT: GUO, Zuyu

```

APPLICANT: SANDHU, Punam
APPLICANT: GILLAM, Elizabeth M. J.
TITLE OF INVENTION: EXPRESSION AND PURIFICATION OF
TITLE OF INVENTION: HUMAN
TITLE OF INVENTION: CYTOCHROME P450
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: Suite 1200, 127 Peachtree Street, NE
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303-1811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/194,981E
FILING DATE: February 10, 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Selby
REGISTRATION NUMBER: 38,298
REFERENCE/DOCKET NUMBER: 22000.0022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-0770
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: N-terminal
US-08-194-981E-14

Query Match      1.9%; Score 7; DB 2; Length 40;
Best Local Similarity 100.0%; Pred. No. 8.2;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LILLSLW 252
DB 14 LILLSLW 20

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SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/194,981E
FILING DATE: February 10, 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Selby
REGISTRATION NUMBER: 38,298
REFERENCE/DOCKET NUMBER: 22000.0022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-0770
TELEFAX: (404) 688-9880
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: N-terminal
US-08-194-981E-15

Query Match      1.9%; Score 7; DB 2; Length 40;
Best Local Similarity 100.0%; Pred. No. 8.2;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LILLSLW 252
DB 14 LILLSLW 20

RESULT 7
US-08-194-981E-17
Sequence 17, Application US/08194981E
Patent No. 5886157
GENERAL INFORMATION:
APPLICANT: GUENGERICH, F. Peter
APPLICANT: SANDHU, Punam
APPLICANT: GILLAM, Elizabeth M. J.
TITLE OF INVENTION: EXPRESSION AND PURIFICATION OF
TITLE OF INVENTION: HUMAN
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: Suite 1200, 127 Peachtree Street, NE
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303-1811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/194,981E
FILING DATE: February 10, 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Selby
REGISTRATION NUMBER: 38,298
REFERENCE/DOCKET NUMBER: 22000.0022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-0770
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single

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TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: N-terminal
US-08-194-981E-17

Query Match 1.9%; Score 7; DB 2; Length 41;
Best Local Similarity 100.0%; Pred. No. 8.4;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLSLW 252
DB 15 LLLSLW 21

RESULT 8
US-08-931-858E-218
Sequence 218, Application US/08931858E
Patent No. 6222022

GENERAL INFORMATION:

APPLICANT: JOHNSON, EUGENE M

APPLICANT: MILBRANDT, JEFFREY D

APPLICANT: KOTZBAUER, PAUL T

APPLICANT: LAMPE, PATRICIA A

APPLICANT: KLEIN, ROBERT

APPLICANT: DESAUVAGE, FRED

TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR

NUMBER OF SEQUENCES: 239

CORRESPONDENCE ADDRESSES:

ADDRESSEE: HOWELL & HAFERKAMP, L.C.

STREET: 7733 FORSYTH BOULEVARD, SUITE 1400

CITY: ST. LOUIS

STATE: MO

COUNTRY: USA

ZIP: 63105

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/931,858E

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: HOLLAND, DONALD R.

REGISTRATION NUMBER: 35,197

REFERENCE/DOCKET NUMBER: 971486

TELECOMMUNICATION INFORMATION:

TELEPHONE: 314-727-5188

TELEFAX: 314-727-6092

INFORMATION FOR SEQ ID NO: 218:

SEQUENCE CHARACTERISTICS:

LENGTH: 60 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-931-858E-218

Query Match 1.9%; Score 7; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 245 LLLSL 251
DB 10 LLLSL 16

RESULT 9
US-07-885-089B-13
Sequence 13, Application US/07885089B
Patent No. 5630995

GENERAL INFORMATION:

APPLICANT: Shoyab, Mohammed

APPLICANT: McDonald, Vicki L.

APPLICANT: Bradley, James G.

APPLICANT: Plozman, Gregory D.

TITLE OF INVENTION: AMPHIREGULINS: A FAMILY OF

TITLE OF INVENTION: HEPARIN-BINDING EPITHELIAL CELL GROWTH FACTORS

NUMBER OF SEQUENCES: 37

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Pennie & Edmonds LLP

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/885,089B

FILING DATE: 18-May-1992

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A.

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 5624-174

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-790-9090

TELEFAX: 212-869-9741

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 88 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-07-885-089B-13

Query Match 1.9%; Score 7; DB 2; Length 88;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLSLW 252
DB 71 LLLSLW 77

RESULT 10
US-07-847-743B-15

Sequence 15, Application US/07847743B
Patent No. 5367060

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.

TITLE OF INVENTION: Structure, Production and Use of

TITLE OF INVENTION: Streptococcus

NUMBER OF SEQUENCES: 30

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/847,743B

FILING DATE: 19920306
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/705256
FILING DATE: 24-MAY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/765212
FILING DATE: 25-SEP-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/790801
FILING DATE: 08-NOV-5367060-1591
ATTORNEY/AGENT INFORMATION:
NAME: Hensley, Max D.
REGISTRATION NUMBER: 27,043
REFERENCE/DOCKET NUMBER: 712P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/266-1489
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
US-07-847-743B-15

Query Match 1.9%; Score 7; DB 1; Length 91;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLSLM 252
DB 76 LLLSLM 82

RESULT 11
US-08-456-201-15
Sequence 15, Application US/08456201
Patent No. 5641869
GENERAL INFORMATION:
APPLICANT: Vandlen, Richard L.,
APPLICANT: Holmes, William E.
TITLE OF INVENTION: Structure, Production and Use of
TITLE OF INVENTION: Heregulin 2 Ligands
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,201
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/126,145
FILING DATE:
APPLICATION NUMBER: 07/880,917
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/705256
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/765212
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/790801
ATTORNEY/AGENT INFORMATION:
NAME: Hensley, Max D.

REGISTRATION NUMBER: 27,034
REFERENCE/DOCKET NUMBER: 712P4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/266-1489
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-456-201-15

Query Match 1.9%; Score 7; DB 1; Length 91;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLSLM 252
DB 76 LLLSLM 82

RESULT 12
US-08-330-161-13
Sequence 13, Application US/08330161
Patent No. 5834229
GENERAL INFORMATION:
APPLICANT: Vandlen, Richard
APPLICANT: Holmes, William
TITLE OF INVENTION: Structure, Production and Use of Heregulin 2 Ligands
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,161
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/035430
FILING DATE: 22-MAR-1993
APPLICATION NUMBER: 07/705256
FILING DATE: 24-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Adler, Carolyn R.
REGISTRATION NUMBER: 32,324
REFERENCE/DOCKET NUMBER: 712C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-2614
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-330-161-13

Query Match 1.9%; Score 7; DB 2; Length 91;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLSLM 252
DB 76 LLLSLM 82

Db 76 LLLSLW 82

RESULT 13
US-08-456-241-15; Sequence 15, Application US/08456241
; Patent No. 5840525

; GENERAL INFORMATION:

; APPLICANT: Vandlen, Richard L.

; APPLICANT: Holmes, William E.

; TITLE OF INVENTION: STRUCTURE, PRODUCTION AND USE OF

; NUMBER OF SEQUENCES: 30

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genentech, Inc.

; STREET: 460 Point San Bruno Blvd

; CITY: South San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94080

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: patin (Genentech)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/456,241

; FILING DATE: 31-MAY-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/126145

; FILING DATE: 23-SEP-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/880917

; FILING DATE: 11-MAY-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/847743

; FILING DATE: 06-MAR-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/790801

; FILING DATE: 08-NOV-1991

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/765212

; FILING DATE: 25-SEP-1991

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/705256

; FILING DATE: 24-MAY-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Lee, Wendy M.

; REGISTRATION NUMBER: 00,000

; REFERENCE/DOCKET NUMBER: 712P4C1D1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415/225-1994

; TELEFAX: 415/952-9881

; TELEX: 910/371-7168

; INFORMATION FOR SEQ ID NO: 15:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 91 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; US-08-456-241-15

Query Match 1.9%; Score 7; DB 2; Length 91;

Best Local Similarity 100.0%; Pred. No. 17;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 246 LLLSLW 252

Db 76 LLLSLW 82

RESULT 14
US-08-440-401-13; Sequence 13, Application US/08440401
; Patent No. 5856110

; GENERAL INFORMATION:

; APPLICANT: Vandlen, Richard L.

; APPLICANT: Holmes, William E.

; TITLE OF INVENTION: Structure, Production and Use of

; NUMBER OF SEQUENCES: 17

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genentech, Inc.

; STREET: 460 Point San Bruno Blvd

; CITY: South San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94080

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: patin (Genentech)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/440,401

; FILING DATE: 12-MAY-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/330161

; FILING DATE: 25-OCT-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/035430

; FILING DATE: 22-MAR-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/705256

; FILING DATE: 24-MAY-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Lee, Wendy M.

; REGISTRATION NUMBER: 00,000

; REFERENCE/DOCKET NUMBER: 712C3

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415/225-1994

; TELEFAX: 415/952-9881

; TELEX: 910/371-7168

; INFORMATION FOR SEQ ID NO: 13:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 91 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; US-08-440-401-13

Query Match 1.9%; Score 7; DB 2; Length 91;

Best Local Similarity 100.0%; Pred. No. 17;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 246 LLLSLW 252

Db 76 LLLSLW 82

RESULT 15

US-08-419-878B-13

; Sequence 13, Application US/08419878B

; Patent No. 5859206

; GENERAL INFORMATION:

; APPLICANT: Vandlen, Richard L.

; APPLICANT: Holmes, William E.

; TITLE OF INVENTION: Antibodies Specific For Heregulin 2-alpha

; NUMBER OF SEQUENCES: 18

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genentech, Inc.

; STREET: 1 DNA Way

; CITY: South San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94080

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: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Minipatin (Genentech)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/419,878B
: FILING DATE: 11-Apr-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/330161
: FILING DATE: 25-OCT-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/035430
: FILING DATE: 22-MAR-1993
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/705256
: FILING DATE: 24-MAY-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Lee, Wendy M.
: REGISTRATION NUMBER: 40,378
: REFERENCE/DOCKET NUMBER: P0712C2D1
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 650/225-1394
: TELEFAX: 650/952-9881
: INFORMATION FOR SEQ ID NO: 13:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 91 amino acids
: TYPE: Amino Acid
: TOPOLOGY: Linear
: US-08-419-878B-13

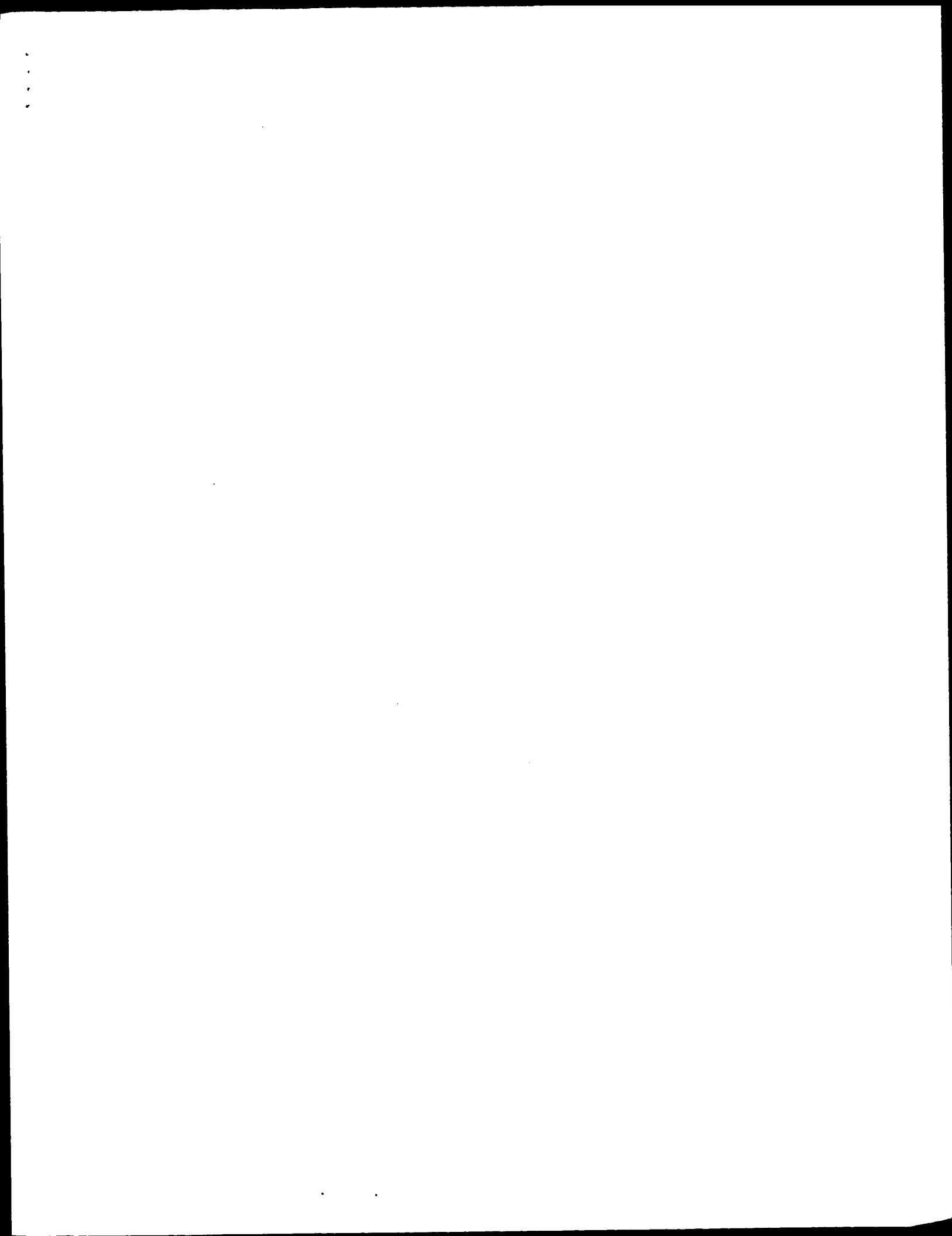
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Best Local Similarity 100.0%; Pred. No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0;
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Db 76 LLLLSLM 82

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Job time : 17 secs



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 (without alignments)
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Gapop 10.0 , Gapext 1.0

Total number of hits satisfying criteria:

DB	seq	length:
Minimum	DB	seq
Maximum	DB	seq

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post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries

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SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	37.6	2.3	7218	1	US-08-232-463-14	Sequence 14, Appl
2	35.4	2.2	587	1	US-09-385-983-497	Sequence 497, App
3	35.2	2.2	1356	1	US-08-134-012-5	Sequence 5, Appl
C 4	35.2	2.2	1356	1	US-08-520-519-5	Sequence 5, Appl
C 5	35.2	2.2	1417	1	US-08-144-012-4	Sequence 4, Appl
C 6	35.2	2.2	1417	1	US-08-520-519-4	Sequence 6, Appl
C 7	35.2	2.2	1498	1	US-08-134-012-6	Sequence 6, Appl
C 8	35.2	2.2	1498	1	US-08-520-519-6	Sequence 6, Appl
C 9	33.6	2.1	1605	1	US-08-577-184-4	Sequence 4, Appl
C 10	33.6	2.1	1605	1	US-08-577-184-5	Sequence 5, Appl
11	33.6	2.1	12847	1	US-08-550-715-1	Sequence 1, Appl
12	32.8	2.1	2610	2	US-09-212-771-1	Sequence 1, Appl
13	32.8	2.1	2610	2	US-09-091-058-1	Sequence 1, Appl
14	32.6	2.1	2358	3	US-09-092-983-1	Sequence 10, Appl
15	32.6	2.1	2358	3	US-09-490-692-10	Sequence 20, Appl
16	32.6	2.1	32207	2	US-08-4770-379-20	Sequence 20, Appl
17	32.6	2.1	32207	4	US-08-757-669A-20	Sequence 4, Appl
18	32.6	2.1	32207	4	US-08-757-669A-20	Sequence 4, Appl
C 19	32.4	2.1	381	1	US-08-428-516-4	Sequence 4, Appl
C 20	32.4	2.1	1527	2	US-08-850-293-4	Sequence 2, Appl
C 21	32	2.0	2057	3	US-09-059-522-2	Sequence 2, Appl
C 22	32	2.0	2057	3	US-09-382-027-2	Sequence 2, Appl
C 23	32	2.0	2413	4	US-09-613-182-10	Sequence 280, App
C 24	32	2.0	2580	4	US-09-199-637A-180	Sequence 172, App
C 25	32	2.0	2970	4	US-09-199-637A-272	Sequence 172, App
C 26	32	2.0	42235	4	US-09-199-637A-1	Sequence 1, Appl
C 27	32	2.0	4403765	4	US-09-103-840A-2	Sequence 2, Appl

28	31.8	2.0	1068	3	US-09-248-355-73	Sequence 110, App
29	31.4	2.0	1084	2	US-08-184-009-110	Sequence 110, App
30	31.4	2.0	1084	2	US-08-458-356-110	Sequence 110, App
31	31.4	2.0	1084	4	US-08-607-736-110	Sequence 109, App
32	31.4	2.0	1094	2	US-08-184-009-109	Sequence 109, App
33	31.4	2.0	1094	4	US-08-458-356-109	Sequence 109, App
34	31.4	2.0	1094	4	US-08-460-736-109	Sequence 3, App11
35	31.4	2.0	1343	4	US-08-718-738-109	Sequence 3, App11
36	31.4	2.0	1343	4	US-09-221-044-3	Sequence 3, App11
37	31.4	2.0	1352	5	DC-US95-03323A-3	Sequence 8, App11
38	31.4	2.0	1691	3	US-08-999-118-8	Sequence 8, App11
39	31.4	2.0	1691	3	US-08-845-538C-8	Sequence 7, App11
40	31.4	2.0	2419	1	US-07-807-043B-7	Sequence 7, App11
41	31.4	2.0	2419	2	US-08-299-849B-7	Sequence 7, App11
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43	31.4	2.0	2419	3	US-08-967-727-7	Sequence 7, App11
44	31.4	2.0	2420	1	US-08-037-230D-7	Sequence 23, App1
45	31.4	2.0	2420	1	US-08-465-167A-23	Sequence 23, App1

ALIGNMENTS

RESULT 1
US-08-232-463-14
Application US/08232463

Sequence 17-11
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.

APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
APPLICANT: RECOMBINANT FOWLPOX VIRUS
TITLE OF INVENTION:

; TITLE OF SEQUENCES: 52
 ; NUMBER OF SEQUENCES:
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley & Gardner
 ; Suite 500
 ; 1000 1st Avenue
 ; New York, New York 10022-3421
 ;

STREET: 1800 Dia
CITY: Alexandria
STATE: VA

COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
FLOPPY

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;      MEDIUM TYPE: IBM PC compatible
;
;      COMPUTER: IBM PC-DOS/MS-DOS
;
;      OPERATING SYSTEM: PC-DOS/MS-DOS Version #1.25
;
;      SOFTWARE: PatentIn Release #1.0,
;

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CURRENT APPLICATION DATA:
CURRENT APPLICATION NUMBER: US/08/232,463
FILING DATE: 03/25/2008

CLASSIFICATION: 433
PRIOR APPLICATION DATA: US/07/935,313
APPLICATION NUMBER:

FILING DATE: EP 9
 APPLICATION NUMBER: 26-AUG-1991
 FILING DATE: 26-AUG-1991
 INFORMATION

ATTORNEY/AGENT: Stephen A. Bent
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMM

TELECOMMUNICATION INFORMATION
TELEPHONE: (703) 836-9300
TELEFAX: (703) 683-4109

TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:

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LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

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TOPLOGI: IMMEDIATE SOURCE: CLONE: PTZgpt-Fls

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Query Match				

1 TITLE OF INVENTION: DAN LINCOLN
2
3 NUMBER OF SEQUENCES: 6
4
5 CORRESPONDENCE ADDRESS:
6 ADDRESSEE: Jack L. Trilble
7 STREET: 126 E. Lincoln Avenue
8 CITY: Rahway
9
10 STATE: New Jersey
11
12 COUNTRY: USA
13
14 ZIP: 07065-0907
15
16 COMPUTER READABLE FORM:
17
18 MEDIUM TYPE: floppy disk
19
20 COMPUTER: IBM PC compatible
21
22 OPERATING SYSTEM: PC-DOS/MS-DOS
23
24 SOFTWARE: Patent In Release #1.0, Version #1.25
25
26 CURRENT APPLICATION DATA:
27
28 APPLICATION NUMBER: US/08/520,519
29
30 FILING DATE: 29-AUG-1995
31
32 CLASSIFICATION: 530
33
34 ATTORNEY/AGENT INFORMATION:
35
36 NAME: Trilble, Jack L.
37
38 REGISTRATION NUMBER: 32,633
39
40 REFERENCE/DOCKET NUMBER: 19098DA
41
42 TELECOMMUNICATION INFORMATION:
43
44 TELEPHONE: (908) 594-5321

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Db 548 G T A C T G C T G G T G T G G C C C A G G C C C A G G C A G G G 517

Mon Oct 28 10:49:42 2002

us-09-376-430-1.rml

RESULT 9
US-08-577-184-4 Application US/08577184

Sequence 4, Application US/08577184
Patent No. 5602014
GENERAL INFORMATION:
APPLICANT: MIZUMURA, YURIE
TITLE OF INVENTION: A REGULATORY FACTOR FOR EXPRESSION OF
NITRILASE GENE AND A GENE THEREOF
TITLE OF INVENTION: 7
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESS: P.C. JEFFERSON DAVIS HIGHWAY, SUITE 400
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA

ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/577,184
FILING DATE: 22-4-95
CLASSIFICATION: DATA: JP 6-337652
PRIORITY APPLICATION NUMBER: 24,618
PRIORITY DATE: 28-DEC-1994
ATTORNEY/AGENT INFORMATION:
FILING DATE: 28-DEC-1994
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 2941-004-0
REFERENCE/DOCKET INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1605 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear (genomic)
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE: RHODOCOCUS ERYTHROPOLIS
ORGANISM: SK92

US-08-577-184-4
Query Match
Best Local Similarity 50.0%; Score 33.6; DB 1; Length 1605; Gaps 0;
Matches 84; Conservative 0; Mismatches 84; Indels 0;
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DB 1143 CCGAAGATGCGAGTCCGAGCAAGAAAGTGGCCCGAGAGCCCTGCTAGTCCAGTT 1019
DB 960 GCGCAGACTGAGCGAGTCCGAGCAAGAAAGTGGCCCGAGAGCCCTGCTAGTCCAGTT 1067
DB 1203 AGCCAGATGCGAGTCCGAGCAAGAAAGTGGCCCGAGAGCCCTGCTAGTCCAGTT 1310
DB 1020 CTCGGGGGATCCCTCCAGTCCGAGCAAGAAAGTGGCCCGAGAGCCCTGCTAGTCCAGTT 1310
DB 1263 AGTTCGACATCGTGGAGATGCTCGAGCCCATGCGCCGCTGACCTGA 1262

RESULT 10
US-08-577-184-5 Application US/08577184
Sequence 5, 5602014
Patent No. 5602014
GENERAL INFORMATION:

APPLICANT: MIZUMURA, YURIE
TITLE OF INVENTION: A REGULATORY FACTOR FOR EXPRESSION OF
NITRILASE GENE AND A GENE THEREOF
TITLE OF INVENTION: 7
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESS: P.C. JEFFERSON DAVIS HIGHWAY, SUITE 400
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA

ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/577,184
FILING DATE: 22-4-95
CLASSIFICATION: DATA: JP 6-337652
PRIORITY APPLICATION NUMBER: 24,618
PRIORITY DATE: 28-DEC-1994
ATTORNEY/AGENT INFORMATION:
FILING DATE: 28-DEC-1994
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 2941-004-0
REFERENCE/DOCKET INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 2336 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear (genomic)
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE: RHODOCOCUS ERYTHROPOLIS
ORGANISM: SK92

US-08-577-184-5
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Best Local Similarity 50.0%; Score 33.6; DB 1; Length 2336; Gaps 0;
Matches 84; Conservative 0; Mismatches 84; Indels 0;
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DB 1934 AGCCAGATGCGAGTCCGAGCAAGAAAGTGGCCCGAGAGCCCTGCTAGTCCAGTT 2041
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DB 1994 AGTTCGACATCGTGGAGATGCTCGAGCCCATGCGCCGCTGACCTGA 2041

RESULT 11
US-08-550-715-1 Application US/08550715
Sequence 1, 5750345
Patent No. 5750345
GENERAL INFORMATION:
APPLICANT: Bowle, Human, Thalassaemia Mutations as a Predictor of
TITLE OF INVENTION: Blood-Related Disorders
TITLE OF INVENTION: 13
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESS: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive

us-09-376-430-1.rni

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; FEATURE:
; NAME/KEY: CDS
; LOCATION: (199)..(1641)
US-09-212-771-1

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Matches 73; Conservative 0; Mismatches 67; Indels 0; Gaps

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DB 469 GAGACTCCTCGAGGAGCGCGAGGTGATCAGACACCCGAAATCCATCTTCCCGGGCTCTTTGAG 843
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RESULT 13
US-09-091-058-1
; Sequence 1, Application US/09091058
; Patent No. 6054285
; GENERAL INFORMATION:
; APPLICANT: Hemming, Brian A.
; TITLE OR INVENTION: Screening Method
; FILE REFERENCE: 4-20683/A/20684/PCB
; CURRENT APPLICATION NUMBER: US/09/091,058
; EARLIER FILING DATE: 1998-06-10
; EARLIER APPLICATION NUMBER: PCT/EP96/04814
; EARLIER FILING DATE: 1996-11-05
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2610
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (199)..(1641)
US-09-091-058-1..(1641)

Query Match
Best Local Similarity 2.1%; Score 32.8; DB 3; Length 2610;
Matches 73; Conservative 0; Mismatches 67; Indels 0; Gaps

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DB 409 AACACCTTCATTCCTCCAGCGCCGACACCCGAAATCCATCTTCCCGGGCTCTTTGAG 843
QY 844 ATACACCAAGGGAACCTTCAGAGGTGATCAGACACCCGAAATCCATCTTCCCGGGCTCTTTGAG 843
DB 469 GAGACTCCTCGAGGAGCGCGAGGTGATCAGACACCCGAAATCCATCTTCCCGGGCTCTTTGAG 843
QY 904 AAGATGCGAGGTGATCAGACACCCGAAATCCATCTTCCCGGGCTCTTTGAG 843
DB 529 AAGAGCGAGGTGATCAGACACCCGAAATCCATCTTCCCGGGCTCTTTGAG 843

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US-09-022-983-1
; Sequence 1, Application US/09022983
; Patent No. 615731
; GENERAL INFORMATION:
; APPLICANT: Tang, Xiaoliu
; APPLICANT: Khosravi-Pir, Roya
; APPLICANT: Chang, Hwa

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GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.

OM protein - protein search, using sw model

Run on: October 27, 2002, 05:51:06 ; Search time 25 seconds
(without alignments)
362.476 Million cell updates/sec

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Perfect score: 1995
Sequence: 1 MGRVLVLMGAAYFLGGMMA.....DVTYIGGFVMDRSYVAL 371

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Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%

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6: /cgn2_6/ptodata/1/1aa/backfillset.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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5	195	9.8	369	1	US-08-052-205-4
6	195	9.8	369	1	US-08-595-974-4
7	176	8.8	538	3	US-09-040-005-2
8	176	8.8	538	4	US-09-522-217-115
9	162.5	8.1	427	4	US-08-969-125-9
10	159.5	8.0	230	1	US-08-052-205-11
11	159.5	8.0	230	1	US-08-595-974-11
12	159.5	8.0	252	1	US-08-052-205-9
13	159.5	8.0	252	1	US-08-595-974-9
14	155	7.8	383	1	US-08-609-572-2
15	155	7.8	383	4	US-08-841-751-2
16	155	7.8	383	4	US-08-846-340-2
17	155	7.8	383	4	US-08-846-344-2
18	144.5	7.2	508	2	US-08-850-293-3
19	144.5	7.2	522	1	US-08-164-614A-10
20	144.5	7.2	522	1	US-08-456-489B-10
21	135	6.8	459	6	5194375-2
22	131.5	6.6	468	1	US-08-164-614A-7
23	131.5	6.6	468	2	US-08-456-489B-7
24	131.5	6.6	536	1	US-08-164-614A-12
25	131.5	6.6	536	2	US-08-456-489B-12
26	131.5	6.6	897	1	US-07-960-389-2
27	126.5	6.3	551	4	US-09-194-145-2

28	126.5	6.3	551	6	5198359-2	Patent No. 5198359
29	126.5	6.3	551	6	5449756-2	Patent No. 5449756
30	121	6.1	379	1	US-08-164-614A-8	Sequence 8, Appl 1
31	121	6.1	379	2	US-08-456-489B-8	Sequence 8, Appl 1
32	119.5	6.0	380	1	US-08-609-572-4	Sequence 4, Appl 1
33	119.5	6.0	380	4	US-08-841-751-4	Sequence 4, Appl 1
34	119.5	6.0	380	4	US-08-846-340-4	Sequence 4, Appl 1
35	119.5	6.0	380	4	US-08-846-344-4	Sequence 4, Appl 1
36	118	5.9	258	1	US-08-336-708A-10	Sequence 10, Appl 1
37	113	5.7	325	2	US-08-683-743-4	Sequence 4, Appl 1
38	109	5.5	620	4	US-09-000-145-1	Sequence 1, Appl 1
39	108	5.4	382	2	US-08-078-311-3	Sequence 3, Appl 1
40	108	5.4	382	2	US-08-460-402-3	Sequence 3, Appl 1
41	104.5	5.2	599	4	US-09-000-145-2	Sequence 2, Appl 1
42	101.5	5.1	626	1	US-08-184-327A-2	Sequence 2, Appl 1
43	101.5	5.1	626	5	PCT-US95-00670-2	Sequence 2, Appl 1
44	101.5	5.1	633	1	US-08-250-859-17	Sequence 17, Appl 1
45	101.5	5.1	633	1	US-08-490-803-17	Sequence 17, Appl 1

ALIGNMENTS

RESULT 1
US-08-424-224-2
; Sequence 2, Application US/08424224
; Patent No. 5912173
; GENERAL INFORMATION:
; APPLICANT: LEONARD, WARREN J.
; TITLE OF INVENTION: MURINE IL-2R CDNA AND
; TITLE OF INVENTION: USES THEREOF
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVE.
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORD PERFECT # 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,224
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/121,435
; FILING DATE: 14-SEPT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: WILLIAM S. FEILER
; REGISTRATION NUMBER: 26,728
; REFERENCE/DOCKET NUMBER: 2026-4061US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 369
; TYPE: AMINO ACID
; TOPOLOGY: UNKNOWN
; MOLECULE TYPE: PROTEIN
; DESCRIPTION: NO
; HYPOTHEICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: MURINE
; INDIVIDUAL ISOLATE: IL-2R
; US-08-424-224-2
Query Match 10.3%; Score 205; DB 2; Length 369;

Best Local Similarity 26.58; Pred. No. 2.2e-13;
Matches 75; Conservative 47; Mismatches 103; Indels 58; Gaps 16.

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QY      31  OIOLIEFLEVOAYWNASKYSR--TNLEFHRF--NGGEADOCNTYLLQEGHSCGLD  87
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QY      88  AEQRDDI-LY---FSIRNGTHPVFTASRMWVYLK-----PSPKHVRES-----  128
Db      118  --OKEDIDLYOTFVVOLDDPKP---QRAVQKILNQLNVLIPRAPENLTLNLNSEQOLE  174
QY      129  --MHODAVTYVCSLDLYGDLLEYEYQYSRPFTEQMSQOEN--TCNVTIEGLDAEKCYSFW  185
Db      172  LRMSKSHIKKEC-----LOLYVOYKSNRDRSMSTELIVNHEPRFSLPSVDELKRTYFRV  224
QY      186  RYKAMEDVYGGDYTPSDWSEVTCMQRGEIRIDCAETPTPKPKL--SKFILLISLAILAM  243
Db      225  RSR--VNPICGSSOOMSKSCQPVHMGSHTVEE-----NPSLFALEAVLIPVGTGMLI  276
QY      244  VSLILLSLMKRLRYKFKFLIPSPRPKSTFFPGLFEIHQGNPQEW  286
Db      275  ITLFVYCW--LER-----MPPIPIPKNL--EDLVYEYQGNESAW  310

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RESULT 2
PCT-US94-02891-69
; Sequence 69, Application PC/TUS9402891

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: COMPUTER READABLE FORM:
: MEDIUM TYPE: FLOPPY DISK
: COMPUTER: IBM PC COMPATIBLE
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: WORD PERFECT # 5.1
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US94/02891

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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/031,143
FILING DATE: 12-MAR-1993
APPLICATION NUMBER: 08/121,435
FILING DATE: 14-SEPT-1993
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEIDER
REGISTRATION NUMBER: 26,728
REFERENCE/DOCKET NUMBER: 2026-4061
TELECOMMUNICATION INFORMATION:

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: INFORMATION FOR SEQ ID NO: 69
:
: SEQUENCE CHARACTERISTICS:
:   LENGTH: 369
:   TYPE: AMINO ACID
:   TOPOLOGY: UNKNOWN
:   MOLECULE TYPE:
:   DESCRIPTION: PROTEIN
:   HYPOTHETICAL: NO

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; ORIGINAL SOURCE:
; ORGANISM: MURINE
; INDIVIDUAL ISOLATE: IL-2R
PCT-US94-02891-69

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Query Match	10.3%	Score 205;	DB 5;	Length 369;
Best Local Similarity	26.5%	Pred. No. 2.2e-13;		
Matches 75; Conservative	47;	Mismatches 103;	Indels 58;	Gaps 16;

[illegible]

RESULT 3
US-08-052-205-7
; Sequence 7, Application US/08052205

GENERAL INFORMATION:
APPLICANT: SUGAMURA, KAZUO
APPLICANT: TAKESHITA, TOSHICAZU
APPLICANT: ASAO, HIRONOBU
APPLICANT: NAKAMURA, MASATAKA
APPLICANT: SHIMAMURA, TOSHIRO
APPLICANT: SUZUKI, MANABU
APPLICANT: HAMURO, JUNITI
TITLE OF INVENTION: HUMAN IL-2 RECEPTOR GAMMA CHAIN MOLECULE
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
ADDRESS: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.

```

: COMPUTER READABLE FORM:
:
: MEDIUM TYPE: Floppy disk
:
: COMPUTER: IBM PC compatible
:
: OPERATING SYSTEM: PC-DOS/MS-DOS
:
: SOFTWARE: Patentin Release #1.0, Version #1.2
:
: CURRENT APPLICATION DATA:
:
: APPLICATION NUMBER: US/08/052,205
:
: FILING DATE: 19930422

```

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 104947/1992
 FILING DATE: 23-APR-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Oblon, No. 5510259man F.
 REGISTRATION NUMBER: 24,618
 REFERENCE/DOCKET NUMBER: 10-615-OX
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 413-3000
 TELEFAX: (703) 413-2220
 TELEX: 248855 OPAT UR
 INFORMATION FOR SEQ ID NO: 7:


```

? REFERENCE/DOCKET NUMBER: 10-615-0X
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (703) 413-3000
? TELEFAX: (703) 413-2220
? TELEX: 248853 OPAT UR
? INFORMATION FOR SEQ ID NO: 4:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 369 amino acids
? TYPE: AMINO ACID
? TOPOLOGY: linear
? MOLECULE TYPE: protein
?
? US-08-052-205-4

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Query Match	9.8%	Score 195;	DB 1;	Length 369;
Best Local Similarity	25.1%;	Pred. No. 2.6e-12;		
Matches 71;	Conservative 56;	Mismatches 98;	Indels 58;	Gaps 15

QY 31 QIQIILENLEIVQVITNAASKYSR-TNLTEHYRF-NGD-EAYDQCNTYLLOEHTSGCLLD 87
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Db 59 EVQGFEVNVEYMCTNSSSEDPQTNLTLHYYWKNSDNDKVKQCSHYLFSEITSCQL- 117

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QY      88 AEGRDILYTSIRNGTHPVFTASRWMMVYLLKPSSPK-----HVRFSHQDATIV-136
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Db      118 -QKKEIHLY-----QTFVVOQLDPREPRRQATQMLKLQNLVIPWAPENLTLLH 163

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QY 13/ ----TCSDLSYGD-----LTYEVQYRSPFDTEW-QSKQENTCNITIEGLDAEKCYSEWV 185
 : ::: : : :::
Db 164 KLSQSQLELWNNRFLNHCLEHLVQYRIRDMDSHWTEQSYDYRHKRSLPSYDQGCKRYITFRV 223

Db 224 RSR-FNPLCSAQHMSEMSHPITH-----GSNTSKENPFLALEAVIVSGSMGLI 273

274 ISLLCVYFW-LERT---MPRIPTLKNEDLVYFYH-GNFSAW 310

RESULT 6
US-08-595-974-4
; Sequence 4, Application US/08595974

GENERAL INFORMATION:
APPLICANT: SUGAMURA, KAZUO
APPLICANT: TAKESHITA, TOSHIKAZU

;;
; APPLICANT: NAKAMURA, MASATAKA
; APPLICANT: SHIMAMURA, TOSHIRO
; APPLICANT: SUZUKI, MANABU

TITLE OF INVENTION: HUMAN IL-2 RECEPTOR GAMMA CHAIN MOLECULE
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:

ADDRESSEE: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia

```

: COUNTRY: U.S.A.
:
: ZIP: 22202
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
:

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:
:      COMPUTER:  IBM PC compatible
:
:      OPERATING SYSTEM:  PC-DOS/MS-DOS
:
:      SOFTWARE:  PatentIn Release #1.0, Version #1.25
:
:      CURRENT APPLICATION DATA:

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APPLICATION NUMBER: US/08/395,914
 FILING DATE: 06-FEB-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:

REGISTRATION NUMBER: 08 06/02, 203
FILING DATE: 22-APR-1993
APPLICATION NUMBER: JP 104947/1992

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1          BILLING DATE: 23-APR-1992
2
3          ATTORNEY/AGENT INFORMATION:
4
5              NAME: Oblon, No. 5705608man F.
6
7              REGISTRATION NUMBER: 24,618
8
9              REFERENCE/DOCKET NUMBER: 10-615-0X
10
11             TELECOMMUNICATION INFORMATION:
12
13                 TELEPHONE: (703) 413-3000
14
15                 TELEFAX: (703) 413-2220
16
17                 TELEX: 248855 OPAT UR
18
19             INFORMATION FOR SRD ID NO: 4:
20
21                 SEQUENCE CHARACTERISTICS:
22
23                     LENGTH: 369 amino acids
24
25                     TYPE: amino acid
26
27                     TOPOLOGY: linear
28
29             MOLECULE TYPE: protein
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Query Match	9.8%;	Score 195;	DB 1;	Length 369;
Best Local Similarity	-25.1%;	Pred. NO. 2.6e-12;		
Matches	71;	Conservative	56;	Mismatches 98;
			Indels	58;
			Gaps	15;

QY 31 QIQLIFNLETQVVMNASKSR-TNLTFHYRF-NGD-EAYDQITNYLLQEHSTGCLLD 87
::: ||: |::: |||||: |::: |||||
Db 59 EVQCFVFNVEYMNCTWNSSSEDPQTNLLHYWKNSDNDKQKCSHYLFSEBITSGQL- 117

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QY 88 AEGRDIDLFEISIRNGTHPVFTSRMMVYLLKPSBP-----HVRFSHQDATVY-136
    ::: ||          ::| | | :          :: | : | :
Db 118 -QKKEIHLY-----QTFVVOLODPREPRRQATQMLKIQNLVIPAPENTLTH 163
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QY 137 -----TCSDSLTYGD-----LIXEVQYRSPFDTEH-QSKQENTCNVTIEGLDAEKCSYMW 185
      :|:::| |:::| |:::| |:::| |:::| |:::| |:::| |:::| |:::| |:::| |:::|
Db 164 KLESEQLELWNNRRFLNHCHLEHLVQYRIKRDWDHSHWTEQSYDYRHKESLPSSVGDQKRYTFRV 223

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[illegible]

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27      :| | | | | :| :| :| :| | | |
274 ISLCLVYFW-LERT---MPRIPTLKNEEDLVYEYH-GNRSAM 310
Db

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RESULT 7
US-09-040-005-2
: Sequence 2, Application US/09040005

```

;
; GENERAL INFORMATION:
;
; APPLICANT: Donaldson, Debra
;
; APPLICANT: Unger, Michelle

```

NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.

```

; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
;

```

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1: COMPUTER READABLE FORM:
2: MEDIUM TYPE: Floppy disk
3: COMPUTER: IBM PC compatible
4: OPERATING SYSTEM: DOS 3.31
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/040,005
; FILING DATE:

```

CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: BROWN, Scott A
REGISTRATION NUMBER: 32 724

REFERENCE/DOCUMENT NUMBER: G19320
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-498-8224

Query Match	8.8%	Score 176;	DB 3;	length 538;
Best Local Similarity	24.0%	Pred. No.	4.9e-10;	
Matches	94;	Conservative	60;	Mismatches 143;
			Indels	94;
			Gaps	21;

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; RESULT 8
; US-09-522-217-115
; Sequence 115, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
; APPLICANT: No. 6307024a, Julia E.
; APPLICANT: Presnell, Scott R.
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Foster, Donald C.
; APPLICANT: Holly, Richard D.
; APPLICANT: Gross, Jane A.
; APPLICANT: Johnston, Janet V.
; APPLICANT: Nelson, Andrew J.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
; FILE REFERENCE: 99-16
; CURRENT APPLICATION NUMBER: US/09/522,217
; CURRENT FILING DATE: 2000-03-09
; EARLIER APPLICATION NUMBER: US 60/123,547
; EARLIER FILING DATE: 1999-03-09
; EARLIER APPLICATION NUMBER: US 60/123,904
; EARLIER FILING DATE: 1999-03-11
; EARLIER APPLICATION NUMBER: US 60/142,013
; EARLIER FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 115
; LENGTH: 538
; TYPE: PRT
;

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RESULT 9
US-08-969-125-9
; Sequence 9, Application US/08969125B
; Patent No. 6143871
; GENERAL INFORMATION:

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LENGTH: 427 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-08-969-125-9

Query Match 8.1%; Score 162.5; DB 4; Length 427;
Best Local Similarity 21.4%; Pred. No. 9.4e-09;
Matches 70; Conservative 53; Mismatches 121; Indels 83; Gaps 12;

QY 31 QIQLIYFNLQVQVYTNWAKYSR--TNLTFHYRNGDEANDOCNTNLLQSGHSGCLIDA 88
DB 131 ELCCIMHNLNLYMCKMSPGRNTSPDTNLTLYWHRSLDKIHQCN--IFREGQYGCSEFDL 189
QY 89 EQRDILYFSIRNGTHVFTASRWVYLYKPS-----SPKHVR-FSHODAVT 135
DB 190 TKYKDSF-----EQHSVQIMVKDNAGKIKPSFNIVPLTSRKVPDPHKKLSHNDLY 244
QY 136 V-----TCSDLSTYGDLYEVQY-RSPFDT-----EMQSKOENTCNV 170
DB 245 VQENPQNFISRC-----LFEVEVNSQTEHNFYVQEAKECENPEPERNENTSCF 297
QY 171 TIGDLAEKYSFWVRKAMEDVYGPPTYSDMSSEVTCMORGETRDAACETPPPKRKL 230
DB 298 MVEGVLPDTLNTYRIRKTKLCYEDDKLMSNSQ-----EMSIGKKRNST 343
QY 231 KFLISSIALIYVSLLLSLMKLMRYKFLIPSPDKSIPEGLF-----E 277
DB 344 LYTMLLIYVYAGAIYVLLYLRKLIIFPIPPGKIFKEMFGDQNDTLHKKKYD 403
QY 278 IHQGNFQEWITDQNVANHLHKMAGAEQ 304
DB 404 IYEKQTKR---ETDSVVLLENLKKASQ 427

RESULT 10

US-08-052-205-11
Sequence 11, Application US/08052205
Patent No. 5510259
GENERAL INFORMATION:
APPLICANT: SUGAMURA, KAZUO
APPLICANT: TAKESHITA, TOSHIKAZU
APPLICANT: ASAO, HIRONOBU
APPLICANT: NAKAMURA, MASATAKA
APPLICANT: SHIMAMURA, TOSHIRO
APPLICANT: SUZUKI, MANABU
APPLICANT: HAMURO, JUNJI
TITLE OF INVENTION: HUMAN IL-2 RECEPTOR GAMMA CHAIN MOLECULE
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/052,205
FILING DATE: 19930422
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 104947/1992
FILING DATE: 23-APR-1992
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NO. 5510259man F.
REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 10-615-0X
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPRT UR
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 230 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-052-205-11

Query Match 8.0%; Score 159.5; DB 1; Length 230;
Best Local Similarity 25.0%; Pred. No. 7.4e-09;
Matches 51; Conservative 42; Mismatches 70; Indels 41; Gaps 10;

QY 31 QIQLIYFNLQVQVYTNWAKYSR--TNLTFHYR--NGD-EAYDQNTNLLQSGHSGCLID 87
DB 37 EVQCFVFNVEYMNCTWSSSEPOPTNLILHWYKNSDNDKVKCSHYLFSEILSGCL- 95
QY 88 AEQDDILYFSIRNGTHVFTASRWVYLYKPSPK-----HYRSHODAVT- 136
DB 96 -QKKEIHL-----QTFVQLODPREPRROATQMLKLOMLVIFWAPENLTLH 141
QY 137 -----TCSDLSTYGD-----LFEYQYRSPFDTFV-OSKOEYTCNVTTEGLDAEKCYSFW 185
DB 142 KLSQLEIMNNKFLNHCLEHLVQYRTDMDHSTEQSVDIRKFSLPSVDGQRRYTFRV 201
QY 186 RVKAMEDVYGPPTYPSDWSEVTCW 209
DB 202 RSR-FNPLCGSAQHSEWSHPHFW 224

RESULT 11

US-08-595-974-11
Sequence 11, Application US/08595974
Patent No. 5705608
GENERAL INFORMATION:
APPLICANT: SUGAMURA, KAZUO
APPLICANT: TAKESHITA, TOSHIKAZU
APPLICANT: ASAO, HIRONOBU
APPLICANT: NAKAMURA, MASATAKA
APPLICANT: SHIMAMURA, TOSHIRO
APPLICANT: SUZUKI, MANABU
APPLICANT: HAMURO, JUNJI
TITLE OF INVENTION: HUMAN IL-2 RECEPTOR GAMMA CHAIN MOLECULE
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/595,974
FILING DATE: 06-FEB-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,205
FILING DATE: 22-APR-1993
APPLICATION NUMBER: JP 104947/1992
FILING DATE: 23-APR-1992
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NO. 5705608man F.
REGISTRATION NUMBER: 24,618

TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-595-974-9

Query Match 8.0%; Score 159.5; DB 1; Length 252;
Best Local Similarity 25.0%; Pred. No. 8.5e-09;
Matches 51; Conservative 42; Mismatches 70; Indels 41; Gaps 10;

QY 31 QIQLIYFNLETVQVWNAKYSR-TNLFHYRF-NGD-EAYDOCTNVLQEGHTSGCLD 87
DB 59 EVQCFEYFNEYMNCWTNNSSEPOPTNLTLHYWKNSDNDKVKCSHYLFSEETISGCL- 117
QY 88 AEQRDLVFSIRNGTHPVFTASRMVYLYLKPSPK-----HVRFSMHODAVTV- 136
DB 118 -QKKEHLHY-----QTFVYQLODFRPPRQATQMLKLOLVLPMPAPENLTLH 163
QY 137 ----TCSDSLSTGD-----LLYEVQYRSPEDTEW-OSKQENTCNVTIEGLDAKCYSEFW 185
DB 164 KLSQSQLEIMNNRFLNHCLEHLVQYRTDWDHSWTESQVDYRIKESLPVSDGQKRYTFRV 223
QY 186 RYKAMEDVYGPDTYPSDMSEVTCW 209
DB 224 RSR-FNPICGSAOHMSEWSHPRIHW 246

RESULT 14

US-08-609-572-2
Sequence 2, Application US/08609572
Patent No. 5710023
GENERAL INFORMATION:
APPLICANT: Collins, Mary
APPLICANT: Donaldson, Debra
APPLICANT: Filz, Lori
APPLICANT: Nebel, Tamlyn
APPLICANT: Whilters, Matthew
APPLICANT: Wood, Clive
TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/609,572
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 383 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-609-572-2

Query Match 7.8%; Score 155; DB 1; Length 383;
Best Local Similarity 25.3%; Pred. No. 5e-08;
Matches 67; Conservative 34; Mismatches 106; Indels 58; Gaps 15;

QY 18 WMLGCGAAEG-----VOIQLIYFNLETVQVWNAK--YSTNLTFRHFRNGDAYD 69
DB 117 WIEASYGISDEGSLFETKIQDMKCIYWNQYLVCSMKGKGVYSDTNMTFWMYEGLDHAL 176
QY 70 QCTNYVLQEGHTSGCL--LDABQRDLVFSIRNGT--HPVTASRMVYLYL-----KP 119
DB 177 QCADYLOHDEKNVCKKSNLSDSDYKD--FFTCVNGSSKLEPI--RSSYTFQLOINIVKP 232
QY 120 SSPK-----HVRFSMHODA--VTVCSDLSYSTGLLYEVQYRSPPTTEMOSKOENT 167
DB 233 LPPEFLHISVENSIDIMKMSSTPGPIPPRC-----YYEIVIRRD-DISMESATDKN 284
QY 168 CNVTIEGLDAKCYSEFWRYKAMEDVY-GPDYTPSDMSEVTCWORGIRDACAEPTPPPK 226
DB 285 DMKIKRRANSEEDLCFVRCKV--NIYCADDGIWSEWSEECW-----EGYTPD 332
QY 227 PKLSKFILISSLAILLMWVSLLSLT 251
DB 333 ---SKIFIYVCLFIFILLICTL 354

RESULT 15

US-08-841-751-2
Sequence 2, Application US/08841751
Patent No. 6214559
GENERAL INFORMATION:
APPLICANT: Collins, Mary
APPLICANT: Donaldson, Debra
APPLICANT: Filz, Lori
APPLICANT: Nebel, Tamlyn
APPLICANT: Whilters, Matthew
APPLICANT: Wood, Clive
TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/841,751
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION NUMBER: 08/609,572
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 383 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

Query Match	7.8%;	Score 155;	DB 4;	Length 383;
Best Local Similarity	25.3%;	Pred. No. 5e-08;		
Matches 67;	Conservative 34;	Mismatches 106;	Indels 58;	Gaps 15;

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OY 18 WMAJGGGGAAG-----VOJQIIVLENLEQVYTWANSK--YSTNTLTHFRNGDEAYD 69
Db 117 WIEASYGSDSGSLETKIQDKKCIYWMQYLVGSKRGKVIYSDPTNMFWEYEGDLHAL 176
OY 70 QCNVLLQEGHTSGCL--LDAEGRDILYFSIRNGT--HPVFTASRMWYYL----KP 119
Db 177 QCAQYVLQHEKNVQCKSLNLDSPYDK--FFICVNGSSKLEPI--RSSTYVFOQNIYVK 222
OY 120 SSPK-----HVFESWQDA--VTYVCSLDLSTYGDLYEYKSPFTEMOSKOENT 167
Db 223 LPPEFLHVSNSNIDIRKMSKPGCPLPPRC-----YVEIYIRFD--DISWESADKN 284
OY 168 CNVTIEGDAEKCYSPFWVRKAMDYV-GPDTYPSDSEVTCWQGEIRDACETPTPPK 226
Db 285 DMKTKRANESIEDICFVRCV--NITCADGDGIMSEWSEBCW-----EGTYGPD 332
OY 227 PKLSFKLISLALLIWWSSILLSL 251
Db 333 ---SKLIITVPCFLFFILLLTCL 354

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Search completed: October 27, 2002, 07:08:30
Job time : 27 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.

OM protein - protein search, using sw model

Run on: October 28, 2002, 12:50:06 ; Search time 14 Seconds
(without alignments)
647.278 Million cell updates/sec

Title: US-09-376-430-2

Perfect score: 371
Sequence: 1 MGRVLVLMGAAVFLGWMMA.....DVTIGGFTFVWMDRSYVAL 371

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 231628 segs, 24425594 residues

Word size : 30

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_AA:*

- 1: /cgn2_6/prodata/1/1aa/5A.COMB.pep:*
- 2: /cgn2_6/prodata/1/1aa/5B.COMB.pep:*
- 3: /cgn2_6/prodata/1/1aa/6A.COMB.pep:*
- 4: /cgn2_6/prodata/1/1aa/6B.COMB.pep:*
- 5: /cgn2_6/prodata/1/1aa/PCTUS.COMB.pep:*
- 6: /cgn2_6/prodata/1/1aa/Dackfilest1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	ID	Description
No matches found			

Search completed: October 28, 2002, 12:53:02
Job time : 14 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: October 28, 2002, 12:49:26 ; Search time 14 Seconds
(without alignments)
647.278 Million cell updates/sec

Title: US-09-376-430-2

Perfect score: 371
Sequence: 1 MGRVLVLMGCAVFLGGMMA.....DVTIGGFVANDSYAL 371

Scoring table:
Gapop 60.0 , Gapext 60.0

Searched: 231628 seqs, 24425594 residues

Word size : 7

Total number of hits satisfying chosen parameters: 45

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_AA:*
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2: /cgn2_6/ptodata1/1/aa/6A.COMB.pep:*
3: /cgn2_6/ptodata1/1/aa/6B.COMB.pep:*
4: /cgn2_6/ptodata1/1/aa/6C.COMB.pep:*
5: /cgn2_6/ptodata1/1/aa/6D.COMB.pep:*
6: /cgn2_6/ptodata1/1/aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	8	2.2	32	US-09-522-666-9	Sequence 9, Appl
2	8	2.2	500	US-08-314-601-2	Sequence 2, Appl
3	8	2.2	500	PCT-US95-13051-2	Sequence 2, Appl
4	7	1.9	23	US-08-931-858E-219	Sequence 219, App
5	7	1.9	40	US-08-194-981E-14	Sequence 14, Appl
6	7	1.9	40	US-08-194-981E-15	Sequence 15, Appl
7	7	1.9	41	US-08-194-981E-17	Sequence 17, Appl
8	7	1.9	60	US-08-931-858E-218	Sequence 218, App
9	7	1.9	88	US-07-885-089B-13	Sequence 13, Appl
10	7	1.9	91	US-07-847-743B-15	Sequence 15, Appl
11	7	1.9	91	US-08-456-201-15	Sequence 15, Appl
12	7	1.9	91	US-08-350-161-13	Sequence 11, Appl
13	7	1.9	91	US-08-456-241-15	Sequence 13, Appl
14	7	1.9	91	US-08-440-401-13	Sequence 13, Appl
15	7	1.9	91	US-08-419-878B-13	Sequence 13, Appl
16	7	1.9	91	PCT-US92-04295A-15	Sequence 15, App
17	7	1.9	156	US-08-931-858E-217	Sequence 217, App
18	7	1.9	393	US-08-961-083-58	Sequence 58, Appl
19	7	1.9	410	US-09-258-754-452	Sequence 452, App
20	7	1.9	490	US-08-201-118-3	Sequence 3, Appl
21	7	1.9	490	US-08-201-118-9	Sequence 9, Appl
22	7	1.9	490	US-08-201-118-13	Sequence 13, Appl
23	7	1.9	490	US-08-238-821B-3	Sequence 3, Appl
24	7	1.9	490	US-08-238-821B-9	Sequence 9, Appl
25	7	1.9	490	US-08-238-821B-13	Sequence 13, Appl
26	7	1.9	490	PCT-US95-05744-3	Sequence 3, Appl
27	7	1.9	490	PCT-US95-05744-9	Sequence 9, Appl

28	7	1.9	490	5	PCT-US95-05744-13	Sequence 13, Appl
29	7	1.9	494	1	US-07-906-930E-33	Sequence 33, Appl
30	7	1.9	540	1	US-07-906-930E-2	Sequence 2, Appl
31	7	1.9	589	2	US-08-317-305-2	Sequence 2, Appl
32	7	1.9	589	2	US-08-317-305-4	Sequence 4, Appl
33	7	1.9	589	3	US-08-862-508-2	Sequence 2, Appl
34	7	1.9	589	3	US-08-862-508-4	Sequence 4, Appl
35	7	1.9	589	5	PCT-US95-12508-2	Sequence 2, Appl
36	7	1.9	589	5	PCT-US95-12508-4	Sequence 4, Appl
37	7	1.9	771	2	US-08-742-753-2	Sequence 2, Appl
38	7	1.9	1285	2	US-08-540-406-6	Sequence 6, Appl
39	7	1.9	1285	3	US-08-656-055-6	Sequence 6, Appl
40	7	1.9	1285	4	US-08-954-668-6	Sequence 6, Appl
41	7	1.9	1285	5	PCT-US95-13233-6	Sequence 6, Appl
42	7	1.9	1285	5	US-09-268-140-3	Sequence 3, Appl
43	7	1.9	1299	4	US-08-460-900C-62	Sequence 62, Appl
44	7	1.9	1299	4	US-08-674-509B-48	Sequence 48, Appl
45	7	1.9	1299	4	US-08-954-698-48	Sequence 48, Appl

ALIGNMENTS

```

RESULT 1
US-09-522-666-9
; Sequence 9, Application US/09522666
; Patent No. 6333167
; GENERAL INFORMATION:
; APPLICANT: Shuey, David
; TITLE OF INVENTION: Methods and Reagents for Identifying Inhibitors of
; TITLE OF INVENTION: Proteolysis of Membrane-Associated Proteins
; FILE REFERENCE: 6-00
; CURRENT APPLICATION NUMBER: US/09/522,666
; CURRENT FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:sequence
; OTHER INFORMATION: encoding P450 transmembrane/signal sequence.
US-09-522-666-9

Query Match      2.2%; Score 8; DB 4; Length 32;
Best local Similarity 100.0%; Pred. No. 0.67;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      246 LLLLSLWK 253
DB      14 LLLLSLWK 21

RESULT 2
US-08-314-601-2
; Sequence 2, Application US/08314601
; Patent No. 5834293
; GENERAL INFORMATION:
; APPLICANT: Capdevilla, Jorge H.
; TITLE OF INVENTION: CYTOCHROME P450 ARACHIDONIC ACID
; TITLE OF INVENTION: EPOXYGENASE GENETIC MUTATION ASSOCIATED WITH HYPERTENSION
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: 127 Peachtree Street, Suite 1200
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:

```

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/314,601
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Perryman, David G.
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 2200.024
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-0770
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 500 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-314-601-2

Query Match 2.2%; Score 8; DB 2; Length 500;
Best Local Similarity 100.0%; Pred. No. 8.1;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 245 SLILSLW 252
DB 13 SLILSLW 20

RESULT 3
PCT-US95-13051-2
Sequence 2, Application PC/TUS9513051
GENERAL INFORMATION:
APPLICANT: VANDERBILT UNIVERSITY
TITLE OF INVENTION: CYTOCHROME P450 ARACHIDONIC ACID
TITLE OF INVENTION: EPOXYGENASE GENETIC MUTATION ASSOCIATED WITH HYPERTENSION
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: 127 Peachtree Street, Suite 1200
City: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13051
FILING DATE: 27-SEP-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/314,601
FILING DATE: 9/28/94
ATTORNEY/AGENT INFORMATION:
NAME: Perryman, David G.
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 2200.024
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-0770
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 500 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein
PCT-US95-13051-2

Query Match 2.2%; Score 8; DB 5; Length 500;
Best Local Similarity 100.0%; Pred. No. 8.1;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 245 SLILSLW 252
DB 13 SLILSLW 20

RESULT 4
US-08-931-858E-219
Sequence 219, Application US/08931858E
Patent No. 622022
GENERAL INFORMATION:
APPLICANT: JOHNSON, EUGENE M
APPLICANT: MILBRANDT, JEFFREY D
APPLICANT: KOTZBAUER, PAUL T
APPLICANT: LAMPE, PATRICIA A
APPLICANT: KLEIN, ROBERT
APPLICANT: DESAUVAGE, FRED
TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR
NUMBER OF SEQUENCES: 239
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWELL & HABERKAMP, L.C.
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
City: ST. LOUIS
STATE: MO
COUNTRY: USA
ZIP: 63105

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/931,858E
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 971486
TELECOMMUNICATION INFORMATION:
TELEPHONE: 314-727-5188
TELEFAX: 314-727-6092
INFORMATION FOR SEQ ID NO: 219:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-931-858E-219

Query Match 1.9%; Score 7; DB 4; Length 23;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 245 SLILSLW 251
DB 10 SLILSLW 16

RESULT 5
US-08-194-981E-14
Sequence 14, Application US/08194981E
Patent No. 5886157
GENERAL INFORMATION:
APPLICANT: GUENGERICH, F. Peter
APPLICANT: GUO, Zuyu

APPLICANT: SANDHU, Punam
APPLICANT: GILLAM, Elizabeth M. J. PURIFICATION OF
TITLE OF INVENTION: EXPRESSION AND PURIFICATION OF
TITLE OF INVENTION: HUMAN
TITLE OF INVENTION: CYTOCHROME P450
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: Suite 1200, 127 Peachtree Street, NE
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303-1811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/194,981E
FILING DATE: February 10, 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Selby
REGISTRATION NUMBER: 38,298
REFERENCE/DOCKET NUMBER: 22000.0022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-9880
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: N-terminal
US-08-194-981E-14
Query Match 1.9%; Score 7; DB 2; Length 40;
Best Local Similarity 100.0%; Pred. No. 8.2;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 246 LLLSLW 252
DB 14 LLLSLW 20
RESULT 6
US-08-194-981E-15
Sequence 15 Application US/08194981E
Patent No. 5886157
GENERAL INFORMATION:
APPLICANT: GUENGERICH, F. Peter
APPLICANT: SANDHU, Punam
APPLICANT: GILLAM, Elizabeth M. J.
TITLE OF INVENTION: EXPRESSION AND PURIFICATION OF
TITLE OF INVENTION: HUMAN
TITLE OF INVENTION: CYTOCHROME P450
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: Suite 1200, 127 Peachtree Street, NE
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303-1811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/194,981E
FILING DATE: February 10, 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Selby
REGISTRATION NUMBER: 38,298
REFERENCE/DOCKET NUMBER: 22000.0022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-9880
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: N-terminal
US-08-194-981E-15
Query Match 1.9%; Score 7; DB 2; Length 40;
Best Local Similarity 100.0%; Pred. No. 8.2;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 246 LLLSLW 252
DB 14 LLLSLW 20
RESULT 7
US-08-194-981E-17
Sequence 17 Application US/08194981E
Patent No. 5886157
GENERAL INFORMATION:
APPLICANT: GUENGERICH, F. Peter
APPLICANT: SANDHU, Punam
APPLICANT: GILLAM, Elizabeth M. J.
TITLE OF INVENTION: EXPRESSION AND PURIFICATION OF
TITLE OF INVENTION: HUMAN
TITLE OF INVENTION: CYTOCHROME P450
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: Suite 1200, 127 Peachtree Street, NE
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303-1811
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/194,981E
FILING DATE: February 10, 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Selby
REGISTRATION NUMBER: 38,298
REFERENCE/DOCKET NUMBER: 22000.0022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-9880
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHEetical: NO
FRAGMENT TYPE: N-terminal
US-08-194-981E-17

Query Match
Best Local Similarity 1.9%; Score 7; DB 2; Length 41;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 246 LLLSLW 252
Db 15 LLLSLW 21

RESULT 8
US-08-931-858E-218
Sequence 218, Application US/08931858E
Patent No. 6222022
GENERAL INFORMATION:
APPLICANT: JOHNSON, EUGENE M
APPLICANT: MILBRANDT, JEFFREY D
APPLICANT: KOTZBAUER, PAUL T
APPLICANT: LAMPE, PATRICIA A
APPLICANT: KLEIN, ROBERT
APPLICANT: DESAUVAGE, FRED
TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR
NUMBER OF SEQUENCES: 239
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWELL & HAFERKAMP, L.C.
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MO
COUNTRY: USA
ZIP: 63105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/931,858E
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 971486
TELECOMMUNICATION INFORMATION:
TELEPHONE: 314-727-6092
TELEFAX: 314-727-5188
INFORMATION FOR SEQ ID NO: 218:
SEQUENCE CHARACTERISTICS:
LENGTH: 60 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-931-858E-218

Query Match
Best Local Similarity 1.9%; Score 7; DB 4; Length 60;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 245 SLLSL 251
Db 10 SLLSL 16

RESULT 9
US-07-885-089B-13
Sequence 13, Application US/07885089B
Patent No. 5830995

GENERAL INFORMATION:
APPLICANT: Shoyab, Mohammed
APPLICANT: McDonald, Vicki L.
APPLICANT: Bradley, James G.
APPLICANT: Plozman, Gregory D.
TITLE OF INVENTION: AMPHIREGULINS: A FAMILY OF
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/885,089B
FILING DATE: 18-MAY-1992
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 5624-174
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 88 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-07-885-089B-13

Query Match
Best Local Similarity 1.9%; Score 7; DB 2; Length 88;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 246 LLLSLW 252
Db 71 LLLSLW 77

RESULT 10
US-07-847-743B-15
Sequence 15, Application US/07847743B
Patent No. 5367060
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: Structure, Production and Use of
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/847,743B

FILING DATE: 19920306
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/05256
 FILING DATE: 24-May-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/765212
 FILING DATE: 25-Sep-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/790801
 FILING DATE: 08-No. 5367060-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Hensley, Max D.
 REGISTRATION NUMBER: 27,043
 REFERENCE/DOCKET NUMBER: 712P3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/266-1489
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 91 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: linear
 US-07-847-743B-15

Query Match 1.9%; Score 7; DB 1; Length 91;
 Best Local Similarity 100.0%; Pred. No. 17;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLSLW 252
 |||||
 Db 76 LLLSLW 82

RESULT 11
 US-08-456-201-15
 Sequence 15, Application US/08456201
 Patent No. 5641869
 GENERAL INFORMATION:
 APPLICANT: Vandlen, Richard L.
 APPLICANT: Holmes, William E.
 TITLE OF INVENTION: Structure, Production and Use of
 TITLE OF INVENTION: Heregulin 2 Ligands
 NUMBER OF SEQUENCES: 30
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/456, 201
 FILING DATE:
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/126, 145
 FILING DATE:
 APPLICATION NUMBER: 07/880, 917
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/705256
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/765212
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/790801
 ATTORNEY/AGENT INFORMATION:
 NAME: Hensley, Max D.

REGISTRATION NUMBER: 27,034
 REFERENCE/DOCKET NUMBER: 712P4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/266-1489
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 91 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-456-201-15

Query Match 1.9%; Score 7; DB 1; Length 91;
 Best Local Similarity 100.0%; Pred. No. 17;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLSLW 252
 |||||
 Db 76 LLLSLW 82

RESULT 12
 US-08-330-161-13
 Sequence 13, Application US/08330161
 Patent No. 5834229
 GENERAL INFORMATION:
 APPLICANT: Vandlen, Richard
 APPLICANT: Holmes, William
 TITLE OF INVENTION: Structure, Production and Use of Heregulin 2 Ligands
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/330,161
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/035430
 FILING DATE: 22-MAR-1993
 APPLICATION NUMBER: 07/705256
 FILING DATE: 24-MAY-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Adler, Carolyn R.
 REGISTRATION NUMBER: 32,324
 REFERENCE/DOCKET NUMBER: 712C1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-2614
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 91 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-330-161-13

Query Match 1.9%; Score 7; DB 2; Length 91;
 Best Local Similarity 100.0%; Pred. No. 17;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLSLW 252
 |||||

Db 76 LLLSLW 82

RESULT 13

US-08-456-241-15
Sequence 15, Application US/08456241
Patent No. 5840525

GENERAL INFORMATION:

APPLICANT: Vandlen, Richard L.
APPLICANT: Holmes, William E.
TITLE OF INVENTION: STRUCTURE, PRODUCTION AND USE OF
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,241
FILING DATE: 31-MAY-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/126145
FILING DATE: 23-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/880917
FILING DATE: 11-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/847743
FILING DATE: 06-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/790801
FILING DATE: 08-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/765212
FILING DATE: 25-SEP-1991
PRIOR APPLICATION DATA:

ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 712P4C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-456-241-15

Query Match

Best Local Similarity 1.9%; Score 7; DB 2; Length 91;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 246 LLLSLW 252
Db 76 LLLSLW 82

RESULT 14
US-08-440-401-13

Sequence 13, Application US/08440401
Patent No. 5856110

GENERAL INFORMATION:

APPLICANT: Vandlen, Richard L.
APPLICANT: Holmes, William E.
TITLE OF INVENTION: Structure, Production and Use of
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,401
FILING DATE: 12-MAY-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/330161
FILING DATE: 25-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/035430
FILING DATE: 22-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/705256
FILING DATE: 24-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 712C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-440-401-13

Query Match

Best Local Similarity 1.9%; Score 7; DB 2; Length 91;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 246 LLLSLW 252
Db 76 LLLSLW 82

RESULT 15

US-08-419-878B-13
Sequence 13, Application US/08419878B
Patent No. 5859206

GENERAL INFORMATION:

APPLICANT: Vandlen, Richard L.
APPLICANT: Holmes, William E.
TITLE OF INVENTION: Antibodies Specific for Heregulin 2-alpha
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

```

;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;
; COMPUTER: IBM PC compatible
;
; OPERATING SYSTEM: PC-DOS/MS-DOS
;
; SOFTWARE: WinPatIn (Genentech)
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/08/419,878B
;
; FILING DATE: 11-Apr-1995
;
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 08/330161
;
; FILING DATE: 25-OCT-1994
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 08/035430
;
; FILING DATE: 22-MAR-1993
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 07/705256
;
; FILING DATE: 24-MAY-1991
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Lee, Wendy M.
;
; REGISTRATION NUMBER: 40,378
;
; REFERENCE/DOCKET NUMBER: P0712C2D1
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: 650/225-1994
;
; TELEFAX: 650/952-9881
;
; INFORMATION FOR SEQ ID NO: 13:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 91 amino acids
;
; TYPE: Amino Acid
;
; TOPOLOGY: Linear
;
; US-08-419-878B-13

```

```

Query Match          1.9%: Score 7; DB 2; Length 91;
Best Local Similarity 100.0%: Pred No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLLSLW 252
   |||||
Db 76 LLLLSLW 82

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Search completed: October 28, 2002, 12:49:49
Job time : 16 secs

